



United States Department of Agriculture

MONTHLY LIST OF PUBLICATIONS

AUGUST 1933

Any of the publications listed herein may be purchased from the Superintendent of Documents, Government Printing Office, Washington, D.C. As his office is not connected with the Department and as the Department does not sell publications, PLEASE SEND NO REMITTANCE to the United States Department of Agriculture.

FARMERS' BULLETINS

These bulletins discuss in nontechnical language a wide variety of subjects pertaining to the farm and farm home.

The rough-headed corn stalk beetle in the Southern States and its control. W. J. Phillips and Henry Fox. Bureau of Entomology. 6 p., illus. (F.B. 875F., rev.) Price, 5¢.

Strawberry diseases. Neil E. Stevens, Bureau of Plant Industry. 18 p., illus. (F.B. 1458F., rev.) Price, 5¢.

Rat control. James Silver. Bureau of Biological Survey. 21 p., illus. (F.B. 1533 F., rev.) Price, 5¢.

Marketing farm produce by parcel post. Lewis B. Flohr, Bureau of Agricultural Economics. 54 p., illus. (F.B. 1551F., rev.) Price, 5¢.

LEAFLETS

This series carries popular material of the same general character as that carried by the Farmers' Bulletins except that the leaflets are confined to specific practical directions, recommendations, remedies, and methods. They are brief and concise, written in informal, popular style, and are limited to eight pages.

Improving cattle in areas freed of ticks. John R. Mohler. Bureau of Animal Industry. 8 p., illus. (Leaflet 51L, rev.) Price, 5¢.

Gives practical suggestions to livestock owners in tick-free areas on the introduction, successful breeding, and feeding of improved cattle. Also contains information on marketing improved livestock.

TECHNICAL BULLETINS

The Technical Bulletins contain the results of scientific and research work applying to a special crop, industry, or locality. The editions are limited as they are intended primarily for scientific workers and subject-matter specialists.

Character and behavior of organic soil colloids. M. S. Anderson and Horace G. Byers, Bureau of Chemistry and Soils. 32 p. (Technical Bulletin 377T.) Price, 5¢.

A study of the properties of organic colloids as such, and special information concerning the organic portion of soil colloids. The various methods used in extracting them from the soil are described.

CIRCULARS

This series carries the less technical and more informal material of the same general nature as that in the Technical Bulletin series.

Tests of varieties and strains of large-seeded Virginia-type peanuts. J. H. Beattie, Bureau of Plant Industry, and E. T. Batten, in cooperation with the Virginia Agricultural Experiment Station. 4 p. (Circular 272C.) Price, 5¢.

Of interest to peanut growers in assisting them to produce large-sized, plump, high-quality peanuts for the market. Suggestions given for developing such strains of stock as will improve conditions for both growers and handlers.

The survival of European corn-borer larvae in barns and other storage places.
L. B. Scott and L. H. Patch. Bureau of Entomology. 7 p. (Circular 281C.)
Price, 5¢.

Experiments for control of corn borer by disposal of borer-infested cornstalks prior to the beginning of moth emergence are described. Recommendations made on basis of information obtained from these investigations.

Three bacterial spots of tomato fruit. Mary K. Bryan, Bureau of Plant Industry. [5 p.] illus. (Circular 282C.) Price, 5¢.

Enables one to recognize the diseases of the tomato fruit caused by three different organisms. A fourth spot of unknown origin, similar to bacterial canker, is described to prevent its confusion with this disease.

MISCELLANEOUS PUBLICATIONS

This series includes those publications of a miscellaneous nature which do not fall within any of the other series issued by the Department, particularly those of a size other than octavo. Such publications were formerly issued as Miscellaneous Circulars.

Black currant spreads white-pine blister rust. Samuel B. Detwiler, Bureau of Plant Industry. 8 p., illus. (Miscellaneous Publication 27MP. rev.) Price, 5¢.

Our forests; what they are and what they mean to us. Marie Foote Heisley, Forest Service. (Miscellaneous Publication 162MP.) Price, 5¢.

Traces the importance of a forest background from the earliest colonial times to the present. Forests are described as the "backbone of the nation", and the conservation of our trees is an urgent problem to all Americans. Much information herewith contained may be used in Arbor Day programs.

SOIL SURVEYS

These reports consist of two parts: (1) A soil map in colors showing the extent and distribution of the different soils in the area covered by the survey and (2) a printed report containing brief descriptions of the area, its climate and agriculture, and detailed descriptions of the soils. They are of interest and value primarily to residents of the area surveyed and to soil specialists. All requests for Soil Surveys are referred to the Bureau of Chemistry and Soils, which controls their distribution.

Iowa, Crawford County. (No. 30, Series 1928.) Price, 20¢.

Texas, Midland County. (No. 31, Series 1928.) Price, 20¢.

SERVICE AND REGULATORY ANNOUNCEMENTS

Such notices of judgment, decisions, and instructions as are necessary in the enforcement of regulatory acts are contained in these announcements. They are issued monthly or as necessary by certain bureaus. *Free distribution* is limited to persons in the employ of the Department, to public officials whose duties render it necessary for them to have such information to journals especially concerned, and to manufacturers and firms whose business is affected by the announcements.

Service and regulatory announcements, Bureau of Animal Industry. June 1933. pp. 51-59. (S.R.A.B.A.I. 314.) Price, 5¢.

Packing materials quarantine; amendment no. 1 to notice of quarantine no. 69, Bureau of Plant Quarantine. 1 p. (B.P.Q.-Q. 69.)¹

Index to Service and regulatory announcements, 1932, Bureau of Plant Quarantine. 3 p. (S.R. A. B.P.Q. Index, 1932.)¹

Service and regulatory announcements, Bureau of Plant Quarantine. January-March 1933. pp. 137-175. (S.R.A.-B.P.Q. No. 114.)¹

Notices of judgment under the Insecticide Act. Food and Drug Administration. pp. 151-161. (N.J.I.F., 1261-1275.)¹

Notice of judgment under the regulations of the Naval Stores Act. Food and Drug Administration. 1 p. (N.J.N.S. No. 5.)¹

PERIODICALS

Free distribution of periodicals is definitely restricted. They may be obtained by purchase or subscription from the Superintendent of Documents.

Agricultural situation. Vol. 17, no. 8, August 1, 1933. Price, 5¢ a copy; 25¢ a year, domestic; 40¢ a year, foreign.²

A brief general summary of current conditions, including pertinent statistics relating to production, movement, consumption, and prices of the important farm products.

¹ These may be obtained from the issuing bureau.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D.C.

Crops and markets. Vol. 10, no. 7, July 1933. Price, 10¢ a copy; \$1.00 a year, domestic; \$1.50 a year, foreign.¹

Statistics concerning crops and livestock estimates and market information; reports on supplies, stocks, commercial movement, conditions and prices of agricultural products; and studies of prices and demand, both foreign and domestic.

Daily weather maps. Limited editions. Not for general distribution.

Shows weather conditions for United States and forecast for all States east of the Mississippi River, except Illinois, Wisconsin, Indiana, Upper Michigan, Lower Michigan, Alabama, Mississippi, and the extreme western portion of Florida. Price daily, except Sundays and holidays, 25¢ a month, \$3 a year; daily, including Sundays and holidays, 30¢ a month, \$3.60 a year. Sunday and holiday maps only, 50¢ a year. Foreign subscriptions, \$7.25 a year. Maps DD, E, and CM, showing the weather conditions and forecasts, are issued at numerous stations throughout the United States; 20¢ a month, \$2.40 a year.²

Experiment station record. Vol. 69, no. 2, August 1933. Price, \$1 per volume (2 volumes a year) consisting of 6 monthly numbers and index; \$1.50 per volume, foreign.¹ Single number for sale only. Price, 15¢.²

A technical review of the world's scientific literature pertaining to agriculture. Two volumes a year, of 10 numbers each; 1.00 a volume, domestic; \$1.50 a volume, foreign.

Extension service review. Vol. 4, no. 4, July 1933. Illus. Price, 5¢ a copy; 25¢ a year, domestic; 45¢ a year, foreign.²

Issued monthly by the Extension Service, of which it is the official organ, for the distribution of administrative information.

Forest worker. Vol. 9, no. 4, July 1932. Price, 5¢ a copy; 25¢ a year, domestic; 35¢ a year, foreign.²

News of State forestry, forestry education, private forestry, and the work of the Forest Service.

Journal of agricultural research. Price, \$2.25 a year domestic; \$3.50 a year foreign. Not distributed free to individuals. Each issue, price 10¢. Reprints, 5¢ each.²

Of primary interest to agricultural scientists and advanced students only. Issued in 2 volumes a year, of 12 numbers each. Free distribution is limited to certain libraries and to institutions or departments doing research work.

— vol. 46, no. 11. Illus. June 1, 1933.

Contents:

Lydella nigripes and *L. Piniariae*, fly parasites of certain tree-defoliating caterpillars. Key no. K-241. Philip B. Dowden.

Porosity and water absorption of forest soils. Key no. F-63. John T. Auten.

Inheritance of Fusarium resistance in Brussels sprouts and kohlrabi. Key no. G-844. L. M. Blank and J. C. Walker.

Effect of flourine on the nutrition of swine, with special reference to bone and tooth composition. Key no. Ohio-12. C. H. Kick, R. M. Bethke, and B. H. Edgington.

Vitamin C content of Baldwin apples and apple products. Key no. Mass.-35. C. R. Fellers, M. M. Cleveland, and J. A. Clague.

Somatic segregation in a sectorial chimera of the Bartlett pear. Key no. Mich.-22. V. R. Gardiner, J. W. Crist, and R. E. Gibson.

— vol. 46, no. 12. Illus. June 15, 1933.

Contents:

Morphology of reproduction in *Ceratostomella fimbriata*. Key no. G-845. C. F. Andrus and L. L. Harter.

Vein spot of the pecan caused by *Leptothyrium nervisedum*, n. sp. Key no. G-849. J. R. Cole.

Plaster molds occurring in beds of the cultivated mushroom. Key no. G-851. Vera K. Charles and Edmund B. Lambert.

A photomicrographic study of gelatinized wheat starch. Key no. Ill.-53. Sybill Woodruff and Lucile Rankin Webber.

Milk-energy formulas for various breeds of cattle. Key no. Ill.-54. O. R. Overman and W. L. Gaines.

Inheritance of reaction to stem rust and barbing of awns in barley crosses. Key no. Minn.-81. Leroy Powers and Lee Hines.

Laboratory tests with various fumigants on codling-moth larvae. Key no. N.J.-28. Joseph M. Ginsburg.

Apparatus for making autographic records of catalase activity of plant tissues, and the procedure involved. Key no. N.Y. (Cornell)-23. Arthur J. Heinicke.

— vol. 47, no. 1. Illus. July 1, 1933.

Contents:

Further cytological studies of heterothallism in *Puccinia graminis*. Key no. G-846. Ruth F. Allen.

Weeds as possible carriers of leaf roll and rugose mosaic of potato. Key no. G-853. T. P. Dykstra.

¹ These may be obtained from the issuing bureau.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D.C.



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Journal of agricultural research—Continued**Contents—Continued**

- Effects of plant spacing and irrigation on number of locks in cotton bolls. Key no. G-855. A. R. Leding and L. R. Lytton.
 Lysimeter experiments with sulphate of ammonia and nitrate of soda. Key no. N.Y. (Cornell)-24. T. L. Lyon and J. A. Bizzell.

— vol. 47, no. 2. Illus. July 15, 1933.**Contents:**

- Variability in the pea-wilt organism, *Fusarium orthoceras* var. *pisi*. Key no. Wis.-56. William C. Snyder.
 Inheritance of reaction of wheat to physiologic forms of *Tilletia levis* and *T. tritici*. Key no. G-850. William K. Smith.
 Growth of the cotton root-rot fungus in synthetic media, and the toxic effect of ammonia on the fungus. Key no. G-857. David G. Neal, R. E. Webster, and Kenneth C. Gunn.
 Distribution and rate of fall of conifer seeds. Key no. F-64. Howard W. Siggins.

— vol. 47, no. 3. Illus. August 1, 1933.**Contents:**

- Yield and protein content of hard red spring wheat under conditions of high temperature and low moisture. Key no. N.Dak.-7. L. R. Waldron.
 Rubber content of various species of goldenrod. Key no. G-852. Loren G. Polhamus.
 Injury to pears caused by paper liners impregnated with sodium silicate. Key no. G-856. D. H. Rose and J. M. Lutz.
 Vitamins C and A in blueberries. Key no. Mass.-36. C. R. Fellers and P. D. Isham.
 The law diminishing returns in Agriculture. Key no. Wis.-57. P. E. McNall.
 Some factors affecting the electrolytes of the starch granules. Key no. J-1. D. W. Edwards and J. C. Ripperton.

Public roads. Index to volume 13, March 1932—February 1933. Price, 5¢. Vol. 14, no. 5, July 1933. Illus. Price, 10¢ a copy; \$1 a year, domestic; \$1.50 a year, foreign.²

Weekly weather and crop bulletin. Nos. 31-35, August 1, 8, 15, 22, 29, 1933. Price, 50¢ a year, domestic; 1 a year, foreign.²

Gives detailed weather conditions of preceding weeks and their effect on development of crops and farm operations. Limited edition.

² Payable to the Superintendent of Documents, Government Printing Office, Washington, D.C.

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